

IN THE CLAIMS:

Please cancel claims 3, 4 and 8-14 without prejudice or disclaimer, and amend claims 1-2 as follows:

1. (Currently Amended) A method of analysis of DNA sequence, comprising the steps of:
 - treating a substrate deoxynucleotide solution containing a ~~nucleic acid substrate deoxynucleotides~~ for a complementary strand extension reaction by degrading, using pyrophosphatase, pyrophosphoric acid contained in the substrate deoxynucleotide solution, ~~and/or degrading, using apyrase, adenosine 5' triphosphate contained in the substrate solution;~~
removing or inactivating the pyrophosphatase ~~and/or the apyrase~~ in the deoxynucleotide solution after the pretreating step;
 - mixing the substrate deoxynucleotide solution with reaction solution that contains a DNA primer, a target nucleic acid and a reagent for the extension reaction on the DNA primer, after the step of removing or inactivating;
 - conducting the extension reaction on the DNA primer hybridized to the target nucleic acid, the extension reaction consisting of a plurality of one base extensions, wherein the substrate deoxynucleotide solution is added to the reaction solution per each of said plurality of one base extensions; and
detecting pyrophosphoric acid generated by the extension reaction after the removing or inactivating step, wherein the substrate deoxynucleotide solution does not contain the DNA primer, the nucleic target acid and the reagent.
2. (Currently Amended) A method of analysis of DNA sequence according to Claim 1, wherein the pyrophosphatase ~~and/or the apyrase~~ is immobilized on a solid.
- 3-14. (Canceled).